

Appl. No. : 10/781,023
Filed : February 17, 2004

Amendments To The Claims

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently amended) A modular graphics paneled assembly comprising:

a first modular block, including a display surface, an edge portion defining at least ~~one~~ plural flat surface surfaces, first contacts for power distribution and second contacts for signal distribution, located with electrical contacts exposed on at least first and second of said plural flat surfaces, adjacent ~~said at least one flat surface,~~ and a mechanical interlock portion formed on the edge surface, said mechanical interlock portion shaped to form a trapezoidal portion that has a first portion with said first flat surface, and said second flat surface, and first and second angled portions that extend between said first and second flat surfaces and are non-perpendicular to either of said first or second flat surfaces, said trapezoidal portion allowing in a way that allows said first modular block to be connected or disconnected from structure associated with

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another modular block by moving one of said blocks in a direction substantially perpendicular to said display surface, and said mechanical interlock portion also shaped to prevent said first modular block from being connected or disconnected from structure associated with another modular block by motion in a direction substantially parallel to said display surface.

2. (Currently amended) An assembly as in claim 1, further comprising a second modular block that forms said another block, where the trapezoidal ~~connection~~ portion of said first modular block interlocks with a corresponding trapezoidal ~~connection~~ portion of said second modular block, and the first contacts of said first modular block are connected to the first contacts of said second modular block.

3. (Currently amended) A modular graphics paneled assembly comprising:
a first modular block, including a display surface, an edge portion defining at least one flat surface, first electrical contacts for power distribution and second electrical contacts for signal distribution, located on said at least one flat surface, and a mechanical interlock portion formed on the edge surface, and tristate buffers, connected to said second contacts, allowing each of said second contacts to be used to used as either input or output contacts depending on an orientation of a

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modular blocks.

4. (Currently amended) An assembly as in claim 2, further comprising a frame assembly, surrounding said first and second modular blocks, and at least one portion of said frame assembly connected to said first and second contacts.

5. (Original) An assembly as in claim 4, wherein said assembly includes four of said modular blocks arranged into a substantially rectangular shape.

6. (Original) An assembly as in claim 4, wherein said frame assembly includes Universal serial bus circuitry, receiving a universal serial bus signal, and communicating said Universal Serial Bus signal to said second contacts.

7. (Original) An assembly as in claim 1, wherein each of said modular blocks includes a plurality of light emitting diodes.

8. (cancelled)

9. (currently amended) A modular graphics paneled assembly comprising:

a first modular block, including a display surface, an edge portion defining at least first and second [[one]] flat surfaces,

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first electrical contacts for power distribution and second electrical structure for signal distribution, located on said at least one flat surface, with electrical contacts exposed on at least said first and second flat surfaces and a mechanical interlock portion formed on the edge surface to form a trapezoidal portion that has a first portion with said first flat surface, and said second flat surface, and first and second angled portions that extend between said first and second flat surfaces and are non-perpendicular to either of said first or second flat surfaces;

a second modular block, where the mechanical interlock portion of said first modular block interlocks with a corresponding mechanical interlock portion of said second modular block, and the first contacts of said first modular block are connected to first contacts of said second modular block, ~~and wherein said connecting portions have a substantially trapezoidal shape with first and second parallel sides, one of which is sides is longer than the other, and first and second sloped sides, extending between said first and second parallel sides.~~

10. (Currently amended) A modular display unit comprising:
a symmetrical housing, having a front surface with a controllable display portion thereon, and edge portions with mechanically interlocking portions thereon, each mechanically interlocking portion on one of said edge portions being sized and shaped to

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interlock with an edge portion on the associated with a different one of said housings, and said mechanically interlocking portion shaped and sized to allow connecting to and separating from other mechanically interlocking portions associated with other housing by motion in a direction substantially perpendicular to said front surface of said housing, and prevents said connecting and separating in a direction substantially parallel to said front surface of said housing, and said housing including a connector portion thereon supplying [[a]] an electrical connection and and an electrical signal connection to said display portion, wherein said connector portion is formed on said edge portion, said edge portion forms a substantially trapezoidal shape with a first portion with a first flat surface, and a second flat surface, and first and second angled portions that extend between said first and second flat surfaces and are non-perpendicular to either of said first or second flat surfaces, and wherein said connector portion is formed on both said first and second flat surfaces.

11. (cancelled)

12. (Currently Amended) A unit as in claim [[11]] 10, wherein said connector portion is formed on each surface of said edge portion.

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13. (Currently amended) A unit as in claim ~~[[11]]~~ 10, wherein said modular unit is formed with an outer perimeter having substantially linear portions forming a substantially square outer perimeter, and said connector portion is formed on each of said linear portions.

14. (cancelled)

15. (Previously presented) A unit as in claim 10, wherein said mechanically interlocking portion is formed of a specified shape to only connect to the units which have their top faces in the same direction.

16. (Original) A unit as in claim 10, further comprising tristate buffers, connected to said connectors.

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